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INFORMATION DISCLOSURE STATEMENT	Application #	10/576,572
	Confirmation #	4120
	Filing Date	April 20, 2006
	First Inventor	LEVINGSTON
	Art Unit	
	Examiner	
	Docket #	P08909US00/DEJ

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R :

This IDS is submitted pursuant to 37 CFR. §1.97-1.98 and includes the following:

- ☒ A **listing** of the references on PTO-1449.
- ☒ A copy of all **non-US** references which are listed on the PTO-1449 (US refs not required).
- ☒ A copy of a corresponding foreign **Search Report** which explains the relevance of the references noted therein.
- ☒ Please note that WO 2004/008259 is the equivalent of FR 2 842 313 mentioned in the Search Report.

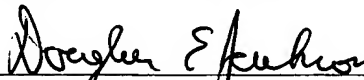
Please note the following particulars concerning the filing of this IDS:

- ☒ 1. This IDS is filed at whichever is the latest of:
 - within three months of the filing date of a NATIONAL APPLICATION other than a CPA, or
 - within three months of the date of entry into the NATIONAL STAGE as set forth in 37 CFR. §1.491 in an international application, or
 - before the mailing date of a first Office Action on the merits or after filing of an RCE (*but if a first Office Action is mailed but not yet received and the date on the face of the attached foreign communication makes it evident that this IDS is submitted within three months from the mailing of the search report, then applicant is entitled to have this IDS considered under 2.B. below and such boxes should be considered as having been checked*).
 - ☐ 2. This IDS is filed **after a first Office Action**, but before a Final Action, Allowance, or any other action which closes prosecution, **and**:
 - ☐ A. Is accompanied by a payment in the amount of \$180.00 required by 37 CFR. §1.17(p).
- or
- ☐ B. I hereby state that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
 - ☐ C. I hereby state that no item of information in this IDS herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR. §1.56(c) more than 3 months prior to the filing of this IDS.
 - ☐ D. An appropriate Statement is attached.

- ☐ 3. This IDS is filed **after** a final action or allowance, but on/before payment of the issue fee, and:
- ☐ A. is accompanied by a payment in the amount of \$180.00 required by 37 CFR. §1.17(p).
- and
- ☐ B. I hereby state that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ C. I hereby state that no item of information in this IDS herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR. §1.56(c) more than 3 months prior to the filing of this IDS.
- ☐ D. An appropriate Statement is attached.
- ☐ 4. This IDS does not comply with 37 CFR 1.97-1.98, and is being filed **for placement in the file** pursuant to 37 CFR. §1.97(i). .
- ☒ 5. It will also be appreciated that:
- a. It is believed that this IDS complies fully with 37 CFR 1.56 and 1.97-98 and with MPEP § 609; but if for some reason it does not and will not be entered, the examiner is requested to telephone the undersigned so that any deficiency can be timely remedied.
- b. Some of the documents may have markings thereon, but no significance should be attached to those markings.
- c. These documents are not necessarily analogous art.
- d. Where an English language translation of an abstract is provided from a public source, applicant cannot vouch for the accuracy of that translation.
- ☒ 6. If no payment is enclosed and a fee is due in connection with this communication or if the payment enclosed is insufficient, the Director is authorized to charge any fee or additional fee due with this communication to Deposit Account No. 12-0555.

Respectfully submitted,

Date: October 13, 2006



By: Douglas E. Jackson

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Customized PTO/SB/08a+b (07-05)

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Sheet <u>1</u> of <u>1</u>	Docket #	P08909US00/DEJ

U.S. PATENT DOCUMENTS				
Exam. Initial*	Document No. Number - Kind	Publ. Date MM-DD-YYYY	Name Patentee or Applicant	Relevance Passages/Figs.
	US-2,568,326	09-18-1951	DUBOIS	
	US-5,881,026	03-09-1999	BAUR ET AL	
	US-5,043,117	08-27-1991	ADACHI ET AL	
	US-6,357,733	03-19-2002	WULZ ET AL	
	US-3,813,872	06-04-1974	NAKAGAWA ET AL	
	US-2002/0070203	06-13-2002	SEREX	
	US-3,187,416	06-08-1965	TUETHEY ET AL	
	US-5,907,524	05-25-1999	MARMY ET AL	
	US-3,624,883	12-07-1971	BAEHNI	
	US-3,683,616	08-15-1972	STEINEMANN ET AL	
	US-209,642	11-05-1878	BERLITZ	
	US-4,260,143	04-07-1981	KLIGER	
	US-5,678,809	10-21-1997	NAKAGAWA ET AL	
	US-4,765,602	08-23-1988	ROESELER	

FOREIGN PATENT DOCUMENTS					
Exam. Initial*	Country-Number-Kind	Publ. Date MM-DD-YYYY	Name Patentee or Applicant	Relevance Passages/Figs.	Translation
	EP 1 422 436	05-26-2004	CSEMCT SUISSE D ELECTRONIQUE E		
	JP 09257069	09-30-1997	NIKKISO CO LTD		
	EP 1 445 670	08-11-2004	ETA SA MANUFACTURE HORLOGÈRE SUISSE		
	JP 07138067	05-30-1995	NHK SPRING CO LTD		
	JP 11147769	06-02-1999	NHK SPRING CO LTD		
	JP 1110909	04-27-1989	NHK SPRING CO LTD		
	JP 1110908	04-27-1989	NHK SPRING CO LTD		
	JP 1110907	04-27-1989	NHK SPRING CO LTD		
	JP 1110906	04-27-1989	NHK SPRING CO LTD		
	JP 1006537	01-11-1989	IBIDEN CO LTD		
	DE 19651322	06-18-1998	SCHMIDT LOTHAR		
	DE 19651320	06-18-1998	SCHMIDT LOTHAR		
	EP 0 393 226	10-24-1990	NHK SPRING CO LTD		
	EP 0 732 635	09-18-1996	SUISSE ELECTRONIQUE MICROTECH		
	EP 1 351 103	10-08-2003	CHOPARD MANUFACTURE SA		

	EP 1 039 352	09-27-2000	ROLEX MONTRES		
	DE 19651321	06-18-1998	SCHMIDT LOTHAR		
	EP 1 302 821	04-16-2003	FRANCK MULLER-WATCHLAND SA		
	XP-002313758	(not shown)	Spiral (multi-language encyclopedic? article on spiral spring)		
	WO 01/01204	01-04-2001	SEIKO INSTRUMENTS INC.		
	WO 96/14519	05-17-1996	FOLSOM, MARK		
	EP 1 256 854	11-13-2002	SEIKO INSTRUMENTS INC.		
	WO 05/017631	02-24-2005	FORE EAGLE CO LTD		
	GB 2 041 152	09-03-1980	CELANESE CORP.		
	WO 2004/008259	01-22-2004	LEIVINGSTON		

NON PATENT LITERATURE DOCUMENTS		
Exam. Initial*	Include NAME of the author (in CAPS), Title of Article/Item, Date, Page(s), Volume-Issue No., Publisher, City and/or Country where published	Translation
	Randall, Anthony, Glass Balance Springs – Part 1, 1951, pages 135-137, Vol. III, Bulletin de la Societe Suisse de Chronometrie	
	Stephen, Richard, Carbon Fibre Pendulum Rods, February 2000, Horological Journal	
	Edwards, Evan, Carbon Fibre Rods for Pendulums, June 2000, Horological Journal	
	Glass Balance Springs – Part 2, 1952, pages 246-249, Vol. III, Ibid	
	Guillaume, Charles-É., Invar and elinvar, Nobel Lecture, December 11, 1920	

Examiner Signature		Date Considered	
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* Examiner: Initial if considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.